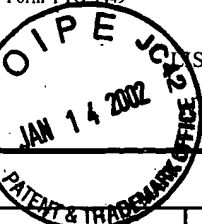


Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
30-5004(4015)SERIAL NO.
09/465,492LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Segal et al.FILING DATE
December 16, 1999GROUP
1742

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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HW	AA 5,850,755	12/98	Segal	1	1	
NW	AB 5,456,815	10/95	Fukuyo et al.	1	1	
NW	AC 5,826,456	10/98	Kawazoe et al.	1	1	
HW	AD 5,413,650	05/95	Jarrett et al.	1	1	
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FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
HW	AM 882 813	12/98	EPO	1	1		
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

HW	AR	Mukai, T. et al, "Dynamic Mechanical Properties of a Near-Nano Aluminum Alloy Processed by Equal-Channel-Angular-Extrusion",
		Nano-Structured Materials, Vol. 10, No. 5, pp. 755-765 (1998) Elsevier Science Ltd.
HW	AS	Hatch, J.E., <u>ALUMINUM</u> , 1984, Chap. 5, "Metallurgy of Heat Treatment and General Principles of Precipitation Hardening", pp. 134-157, 175-183.
HW	AT	Ferrasse, S. et al., "Development of a Submicrometer-Grained Microstructure in Aluminum 6061 Using Equal Channel Angular Extrusion", J. Mater. Res. Vol. 12, No. 5, May 1997, pp. 1253-1261.

EXAMINER

Kary D. Wilkin III

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2/26/02

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 30-5004(4015)		SERIAL NO. 09/465,492	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Vladimir Segal et al.	
FILING DATE December 16, 1999				GROUP 1742	

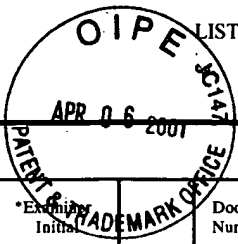
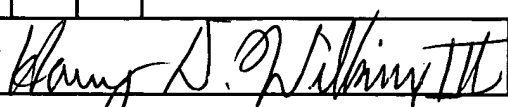
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HW	AA	6,193,821	02/01	Zhang			
HW	AB	6,348,113 B1	02/02	Michaluk et al.			
HW	AC	6,085,966	07/00	Shimomuki et al.			
HW	AD	6,024,852	02/00	Tamura et al.			
HW	AE	5,798,005	08/98	Murata et al.			
HW	AF	5,231,306	07/93	Meikle et al.			
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HW	AM	08146201	07.06.1996	Japan		
HW	AN	10008244	13.01.1998	Japan		
HW	AO	WO 99/27150	03.06.1999	PCT		
HW	AP	WO 99/02743	21.01.1999	PCT		
HW	AQ	WO 01/29279 A1	26.04.2001	PCT		

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HW	AR		Ferrasse, S. et al., "Microstructure and Properties of Copper and Aluminum Alloy 3003 Heavily Worked by Equal Channel Angular Extrusion", Metallurgical and Materials Transactions A, vol. 28A, April 1997, pp. 1047-1057.
HW	AS		Pavate et al., "Correlation between Aluminum alloy sputtering target metallurgical characteristics, Arc initiation, and In-film defect density", SPIE Vol. 3214, 1997, pp. 42-47.
	AT		

EXAMINER <i>Henry D. Wilkins</i>	DATE CONSIDERED <i>12/18/02</i>
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 30-5004(4015) 33507		SERIAL NO. 09/465,492	
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				FILING DATE December 16, 1999		GROUP 1742	
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				APPLICANT Vladimir Segal et al.		FILING DATE December 16, 1999	
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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HW	AA	SN 09/098,760 (as filed and amended)	Shah et al			6/17/08	
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EXAMINER		DATE CONSIDERED					
<i>Harry S. Wilkinson Jr.</i>		7/19/01					
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Form PTO/D-49 <div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-15deg);"> OTPE JCIT JUL 11 2001 PATENT & TRADEMARK OFFICE </div>		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 30-5004(4015) 33507		SERIAL NO. 09/465,492	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Vladimir Segal et al.		FILING DATE December 16, 1999	
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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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HW	AM	WO 99/66100	12/1999	PCT			
HW	AN	WO 87/07650	12/1987	PCT			
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
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EXAMINER <i>Danny S. Wilkins, III</i>	DATE CONSIDERED <i>7/19/01</i>
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Vladimir Segal et al.FILING DATE
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HW	AA	3,653,981	04-1972	Watanabe et al.			
HW	AB	3,849,212	11-1974	Thornburg			
HW	AC	5,766,380	06-1998	Lo et al.			
HW	AD	6,123,896	09-2000	Meeks, III et al.			
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HW	AM	03-082773	04-1991	Japan				
HW	AN	08-134606	05-1996	Japan				
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HW	AR		Material Evaluation Report, Ingot No. T891C, 03/25/98, 1 page.
HW	AS		Canonico, "Stress-Relief Heat Treating of Steel", ASM Handbook Vol 4: Heat Treating ASM International, 1991, pages 33-34.
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EXAMINER

Barry D. Wilk

DATE CONSIDERED

12/18/02

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